

storage for playing back in the vehicle; and switching means activated by the driver for rendering the dictating apparatus operative to receive and store dictation.--

--13. In a driver-operated vehicle provided with a vehicle entertainment player tape deck for the driver to listen to tapes while operating the vehicle, apparatus for expanding the use of the vehicle player tape deck to permit dictation by the driver, that comprises, microphone and recording amplifying components comprising dictating apparatus added and connected to operate with the player tape deck to enable diversionless dictation by the driver on a local recording tape inserted in said player tape deck, while operating the vehicle; means operable after driver voice dictation and local storage on the tape for playing back in the vehicle; and switching means activated by the driver and located on the vehicle steering wheel structure for rendering the dictating apparatus operative to receive the driver voice dictation and locally store the dictation on the tape, and locally to play back the same when desired.--

--14. Apparatus as claimed in claim 13 and in which said switching means is activated <sup>25</sup> ~~optionally~~ <sup>and</sup> ~~with buttons thereat~~ by voice commands at said steering wheel.--

--15. In a driver-operated vehicle audio cassette deck provided with a playback system controlled from a front panel containing switch controls for reproducing in a vehicle loudspeaker audio signals stored on a recording storage medium and wherein there is also integrally provided a vehicle radio receiver, apparatus for rendering the cassette deck also capable of active driver dictation recording on a storage medium locally at the vehicle, said apparatus having, in combination, an auxiliary apparatus comprising a microphone permanently located and integrated in the cassette deck panel and an audio amplifier connected thereto and to an audio recording storage medium for enabling the driver in the vehicle, upon actuation of a recording dictation mode switch on the panel, to dictate in the vehicle into the microphone on the panel and locally record and store the dictation on the medium; a programmable control circuit cooperative with said auxiliary apparatus for switching said audio amplifier upon said actuation of the recording dictation mode, to record and store the dictation on the medium; and, after such recording, the circuit enabling switching by the driver to actuate a playback mode for playing back the dictation stored on the medium through the loudspeaker; and a circuit enabling also switching by the driver to record from said vehicle radio.--

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--16. Apparatus as claimed in claim 15 and in which the switching to initiate the recording actuation mode and the playback mode is initiated by driver-controlled switches at the deck panel.--

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--17. Apparatus as claimed in claim 15 and in which the switching by the playback mode is automatically effected a predetermined time after the dictation recording.--

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of the player

--18. Apparatus as claimed in claim 15 and in which the switching to the playback mode is automatically effected after a predetermined number of recordings.--

~~AB~~ ~~also~~ 23 <sup>1</sup> control switch  
--19. Apparatus as claimed in claim 15 and in which the initiation of said switching is effected by a driver-operated switch control located at the steering wheel structure.--

<sup>1</sup> 25 <sup>1</sup> up master and by switching button  
--20. Apparatus as claimed in claim 15 and in which initiation of said switching is effected by driver voice-command actuated switches.--

--21. In a driver-operated vehicle provided with a vehicle entertainment player storage medium cassette deck having a front panel containing control switches including a playing switch for the driver to listen to audio signals stored in the storage medium while operating the vehicle, apparatus for expanding the use of the vehicle player cassette deck to permit dictation by the driver, that comprises, a microphone integrally carried by the front panel and recording amplifying components comprising; dictating apparatus added and connected to the player cassette deck to enable diversionless dictation by the driver on a storage medium inserted in said player cassette deck, while operating the vehicle; means operable at a time after voice dictation and storage on the storage medium for playing back in the vehicle; and switching means activated by the driver by one of the driver actuating the switching while seated at the steering wheel region, and by the driver actuating the switching by voice command, for rendering the dictating apparatus operative to receive and store dictation.--

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--22. Apparatus as claimed in claim 21 and in which, where the driver actuates the switching while seated at the steering wheel region, a driver-controlled switch is incorporated at the steering wheel structure.--

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